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(54) Title: SMART HANDLE AND HINGE SYSTEM

(57) Abstract: A system for opening doors, windows, hatches, or other apertures or openings, that has multiple opening means, to enable the door, window, hatch, or other aperture or opening, to be opened from at least two sides. The system includes a door, window, hatch, or other aperture or opening with handles on at least any two sides; a frame, against which said door, window, hatch, or other aperture or opening closes on at least said two sides, and from which said door, window, hatch, or other aperture or opening opens from only one side at a time; a locking and releasing means on each of the sides from which said door, window, hatch, or other aperture or opening opens; at least one hinge attached to each of the sides from which said door, window, hatch, or other aperture or opening opens; a special control bar attached to each said hinge, said bar substantially locked onto a respective control system when in contact with said control bar at the time said control system is activated; and a control circuit, comprising a sensor and a relay, associated with each of said handles, whereby if a person extends a hand to open the door, window, hatch, or other aperture or opening from the handle on one side, a sensor on that side activates a corresponding relay to operate said control system on that side and said hinge on that side is retracted; such that said door, window, hatch, or other aperture or opening can be opened from at least two sides, but only from one side at a time.



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